

ROAD SYSTEM

BRIDGES

BRIDGE PRESERVATION PROGRAM

PROJECT SCOPE/DESCRIPTION: Bridges identified for bridge painting; bridge scour; bridge deck preservation; and underwater bridge repairs are addressed through this program. The bridge management program identifies deficient bridges and funding for preliminary engineering, right-of-way, and construction in the Bridge Projects section. They are then listed as separate projects in the Capital Transportation Program.

The sign inspection program will inventory and inspect all state-owned sign structures, high mast lighting, and traffic signal supports. During the initial inventory inspection of the structures, an inspection interval will be assigned based on the structure's condition. Funding to address deficiencies identified through the inspection plan is provided within Materials and Minor Contracts.

PROJECT JUSTIFICATION: The bridge inspection program creates the priority rating system, which is based on deficiency ratings and will be used for further rehabilitation and repair as they are identified.

County:	Statewide
Municipality:	
Funding Program:	Road System - Bridges
Functional Category:	Preservation
Representative District:	Statewide
Senatorial District:	Statewide

Example of a Timber Bridge



Bridge Over Silver Lake in Rehoboth



BRIDGE PRESERVATION PROGRAM (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
Bridge Preservation Program		\$ 2,462.0						
Prior Years	State			\$ 5,249.4	\$ 0.0	\$ 0.0	\$ 0.0	\$ 5,249.4
	Federal			\$ 5,537.6	\$ 0.0	\$ 0.0	\$ 0.0	\$ 5,537.6
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 2,462.0	\$ 1,800.8	\$ 0.0	\$ 0.0	\$ 0.0	\$ 7,050.2
	Federal			\$ 4,003.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 9,540.8
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 1,380.8				\$ 8,431.0
	Federal			\$ 2,323.2				\$ 11,864.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 1,800.8				\$ 10,231.8
	Federal			\$ 4,003.2				\$ 15,867.2
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 1,380.8				\$ 11,612.6
	Federal			\$ 2,323.2				\$ 18,190.4
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 4,882.4				\$ 16,495.0
	Federal			\$ 8,729.6				\$ 26,920.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 16,495.0	\$ 0.0			\$ 16,495.0
	Federal			\$ 26,920.0	\$ 0.0			\$ 26,920.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 2,462.0	\$ 2,462.0	\$ 43,415.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 43,415.0

BRIDGE PRESERVATION PROGRAM (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	Bridge Preservation Program									
	Bridge Painting	PE/C	100% ST	\$ 416.2	\$ 416.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		PE/C	80% FHWA	16,000.0	4,000.0	2,000.0	2,000.0	2,000.0	2,000.0	4,000.0
	Sign Structure Program	PE/C	80% FHWA	4,832.0	604.0	604.0	604.0	604.0	604.0	1,812.0
	Bridge Scour	PE/C	100% ST	2,519.0	2,519.0	0.0	0.0	0.0	0.0	0.0
		PE/C	80% FHWA	2,400.0	300.0	300.0	300.0	300.0	300.0	900.0
	Bridge Inspection & Management	PE/C	80% FHWA	10,418.0	2,018.0	2,100.0	0.0	2,100.0	0.0	4,200.0
	Bridge Deck Preservation	PE/C	100% ST	5,669.8	769.8	700.0	700.0	700.0	700.0	2,100.0
	Underwater Bridge Repair	PE/C	100% ST	1,160.0	160.0	100.0	100.0	100.0	100.0	600.0
	Total All Funds			\$ 43,415.0	\$ 10,787.0	\$ 5,804.0	\$ 3,704.0	\$ 5,804.0	\$ 3,704.0	\$ 13,612.0

BRIDGE PROJECTS

PROJECT SCOPE/DESCRIPTION: Funding is requested for bridges that are identified for replacement or rehabilitation including structurally deficient bridges. As individual bridge projects are identified, they are listed as separate projects.

PROJECT JUSTIFICATION: The bridge priority rating system is based on deficiency ratings, which are updated annually to target specific bridges for repair/rehabilitation/construction.

County:	Statewide
Municipality:	
Funding Program:	Road System - Bridges
Functional Category:	Preservation
Representative District:	Statewide
Senatorial District:	Statewide

BRIDGE PROJECTS (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
Bridge Projects		\$ 2,478.5						
Prior Years	State			\$ 3,009.1	\$ 0.0	\$ 0.0	\$ 0.0	\$ 3,009.1
	Federal			\$ 1,199.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,199.2
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 2,478.5	\$ 1,655.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 4,664.8
	Federal			\$ 3,769.6	\$ 0.0	\$ 0.0	\$ 0.0	\$ 4,968.8
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 1,053.1				\$ 5,717.9
	Federal			\$ 1,425.4				\$ 6,394.2
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 1,911.6				\$ 7,629.5
	Federal			\$ 7,646.7				\$ 14,040.9
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 2,365.6				\$ 9,995.1
	Federal			\$ 9,462.7				\$ 23,503.6
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 11,360.0				\$ 21,355.1
	Federal			\$ 45,440.0				\$ 68,943.6
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 21,355.1	\$ 0.0			\$ 21,355.1
	Federal			\$ 68,943.6	\$ 0.0			\$ 68,943.6
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 2,478.5	\$ 2,478.5	\$ 90,298.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 90,298.7

BRIDGE PROJECTS (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	Bridge Projects									
	Structurally Deficient Bridges	PE/RW/C	80% FHWA	\$ 68,179.4	\$ 1,499.0	\$ 3,212.0	\$ 281.8	\$ 6,558.3	\$ 8,828.3	\$ 47,800.0
		PE/RW/C	100% ST	4,119.3	2,709.3	713.3	696.7	0.0	0.0	0.0
		PE/RW/C	80% FHWA	7,500.0	0.0	0.0	0.0	1,500.0	1,500.0	4,500.0
	Design and Right of Way for Identified Annual Program	PE/RW/C	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		PE/RW/C	80% FHWA	10,500.0	0.0	1,500.0	1,500.0	1,500.0	1,500.0	4,500.0
	Total All Funds			\$ 90,298.7	\$ 4,208.3	\$ 5,425.3	\$ 2,478.5	\$ 9,558.3	\$ 11,828.3	\$ 56,800.0